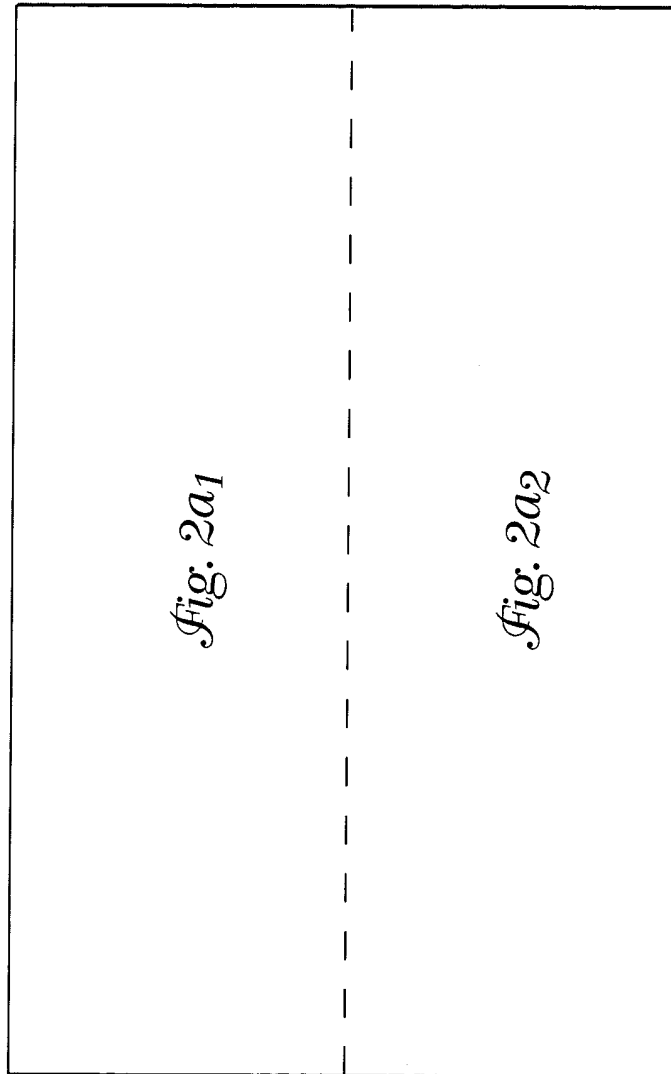


Applicant(s): Lars Hellman

IMMUNOGENIC POLYPEPTIDES FOR INDUCING ANTI-SELF  
IGE RESPONSES

1	D-----NKTFSVCSR	10	20	30	40	50	60	Human IgE C2C3C4
1	DLTIRAR-----	10	20	30	40	50	60	Rat IgE C2-C3-C4
1	EFHHHHHTLSLPESGPVTIIPPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVTW	10	20	30	40	50	60	His6-Op2-3-4
53	LEDGQVMD--VDLSTASTTQEGELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFEDSTK	70	80	90	100	110	120	Human IgE C2C3C4
51	LMDDRKIYETHAQNVLIK-EEGKLASTYSRLNITQQQWMSESTFTCKVTSQGENYWAHTR	70	80	90	100	110	120	Rat IgE C2-C3-C4
61	LVDGQEAENLFPYTRPKREGGQTFSLQSEVNITQGMSSNTYTCHVKHNGSIFEDSAQ	70	80	90	100	110	120	His6-Op2-3-4
111	KCADSNPRGVSAYLSRPSFDFLFIKKSPTITCLVVDLAPSKGTVNLWTSRASGKPVNHST	130	140	150	160	170	180	Human IgE C2C3C4
110	RCSDDEPRGVITYLIPSPPLDLYENGTPKLTCLVLDLES-EENITVTWVREKKSIGSAS	130	140	150	160	170	180	Rat IgE C2-C3-C4
121	KCSDDTDRGISAYILPPTPQDLFVKKVPTIGCLIVDLASAEN-VKVTWSRESGGPVNPSS	130	140	150	160	170	180	His6-Op2-3-4
171	RKEEKQNRNGTLTVTSTLPVGTTRDWIEGETYQCRVTHPHLPRALMRSTTKTSGPRAAPEVY	190	200	210	220	230	240	Human IgE C2C3C4
169	QRSTKHHNATTSITSILPVDADKWIEGEGYQCRVDHPFPKPIVRSITKAPGKRSAPEVY	190	200	210	220	230	240	Rat IgE C2-C3-C4
180	LVVKEQYNGTFTVTSHLPVNTDDWIEGDTYTCRLESPDMPVPLIRTISKAPGKRLAPEVY	190	200	210	220	230	240	His6-Op2-3-4
231	AFATPEWPGRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSG--FF	250	260	270	280	290	300	Human IgE C2C3C4
229	VFLPPE-EEKDKRTLCLIQNFFPEDISVQWLQDSKLI PKSQHSTTTPLKYNGSNQRFF	250	260	270	280	290	300	Rat IgE C2-C3-C4
240	MLP-PSPEETGTRTVTCLIRGFYFPSEISVQWLFNNEEDHTGHHTTTRPQKDHGTDPSFF	250	260	270	280	290	300	His6-Op2-3-4
289	VFSRLVTRAWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK	310	320	330	340	350		Human IgE C2C3C4
288	IFSRLEVTKALWTQTKQFTCRVTHEALREPRKLERTISKSLGNTSLRPSQASM	310	320	330	340	350		Rat IgE C2-C3-C4
299	LYSRMLVNKSIWEKGNLVTCRVVHEALPGSRTLEKSLHYSAGN	310	320	330	340	350		His6-Op2-3-4

Fig. 1



*Fig. 2a*

Fig. 2a<sub>1</sub>

1	EFHHHHHTLSLPESGPVTIIPTTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVTV	His6-OpC2-RatC3-OpC4
1	EFHHHHHTLSLPESGPVTIIPTTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVTV	His6-Op2-ratOp3-Op4
1	EFHHHHHTLSLPESGPVTIIPTTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVTV	His6-Op2-Mouse3-Op4
1	EFHHHHHTLSLPESGPVTIIPTTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVTV	His6-Op2-3-4
1	EFHHHHHTLEVYSDSSK-DPIPTTVKLLHSSCDPRGDSQASIELLCLITGYSPAGIQVDW	His6-Platypus C2-C3-C4
61	LVDGQEAENLFPYTTTRPKREGGQTFSLQSEVNIQTQGMSSNTYTCHVKH--NGSIFEDS	His6-OpC2-RatC3-OpC4
61	LVDGQEAENLFPYTTTRPKREGGQTFSLQSEVNIQTQGMSSNTYTCHVKH--NGSIFEDS	His6-Op2-ratOp3-Op4
61	LVDGQEAENLFPYTTTRPKREGGQTFSLQSEVNIQTQGMSSNTYTCHVKH--NGSIFEDS	His6-Op2-Mouse3-Op4
61	LVDGQEAENLFPYTTTRPKREGGQTFSLQSEVNIQTQGMSSNTYTCHVKH--NGSIFEDS	His6-Op2-3-4
60	LVDGQKAENLFPYTAPPKREGNRSFSSHSEVNIQTQDQWLSCKTFTTCQVTHLADKKTYQDS	His6-Platypus C2-C3-C4
119	SRRCSDDEPRGVITYLIPPSPLDLYENGTPKLTCLVLDLESEENITVTWVRERKKSIGSA	His6-OpC2-RatC3-OpC4
119	SRRCSDDEPRGVITYLIPPSPLDLYENGTPKLTCLVLDLESEENITVTWVRERKKSIGSA	His6-Op2-ratOp3-Op4
119	SRRCSDDEPRGVITYLIPPSPLDLYENGTPKLTCLVLDLESEENITVTWVRERKKSIGSA	His6-Op2-Mouse3-Op4
119	AQKCSPTDPRGISAYILPPTPQDLFVKVPTIGCLIVDLASAENVKVTSRESGGPV-NP	His6-Op2-3-4
120	APKCADSDPRGITVFLTPPSPTDLYISKTPKLTCLIIDLVSTEGMEVTSRESGTPPL-SA	His6-Platypus C2-C3-C4

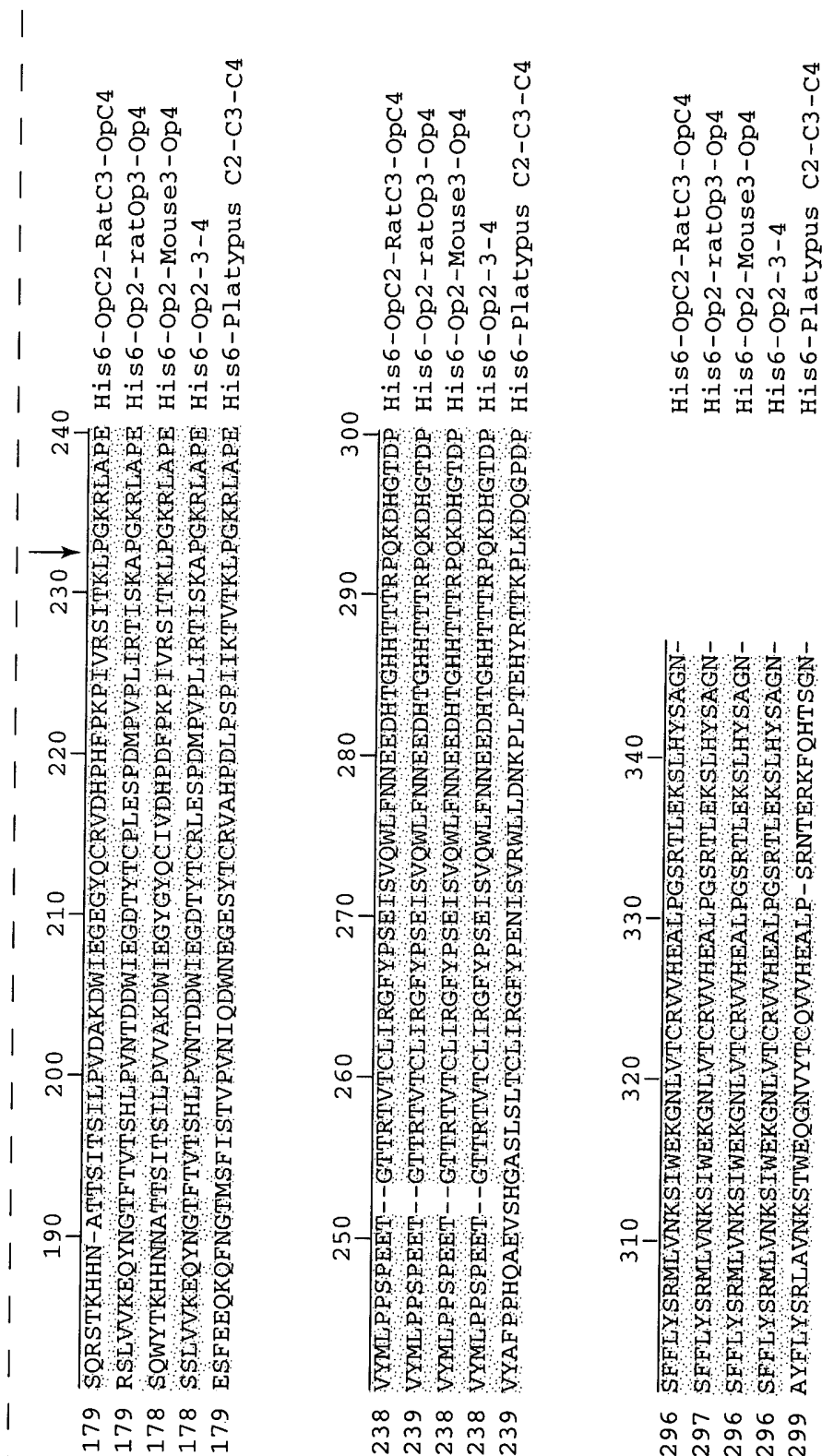
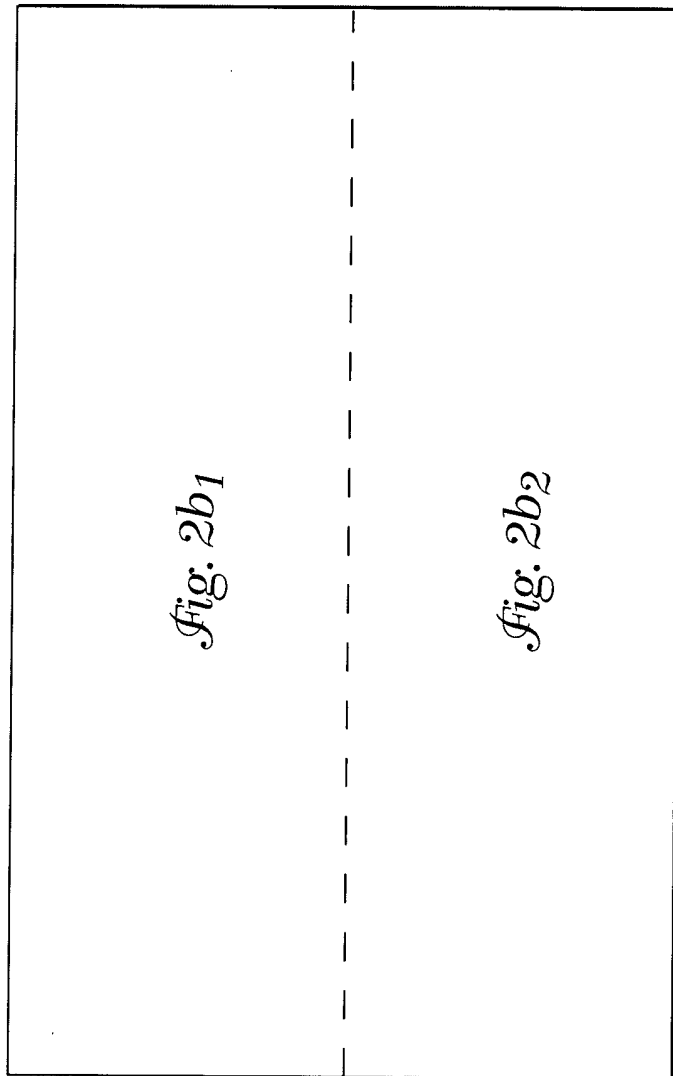
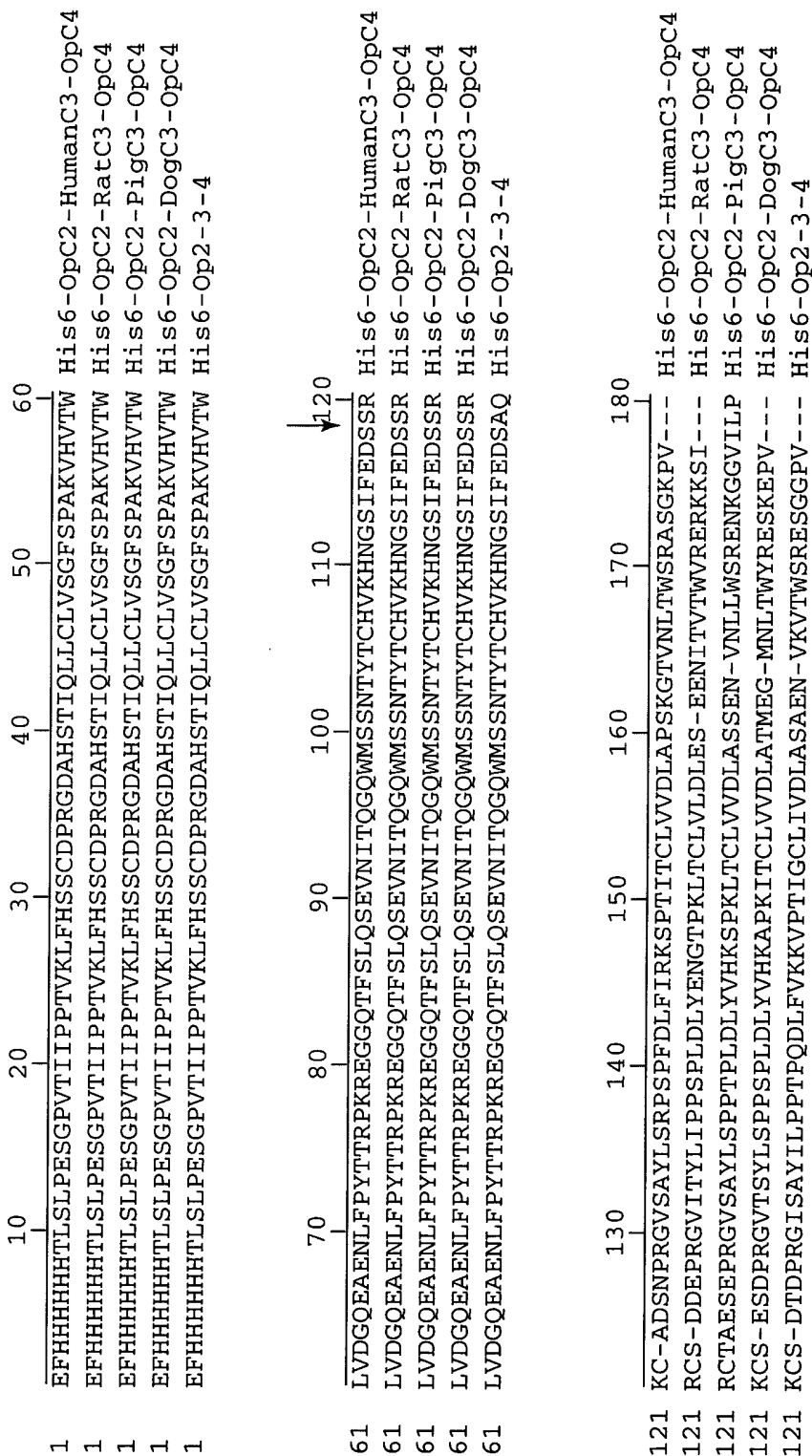


Fig. 2a2



*Fig. 2b*

*Fig. 2b1*



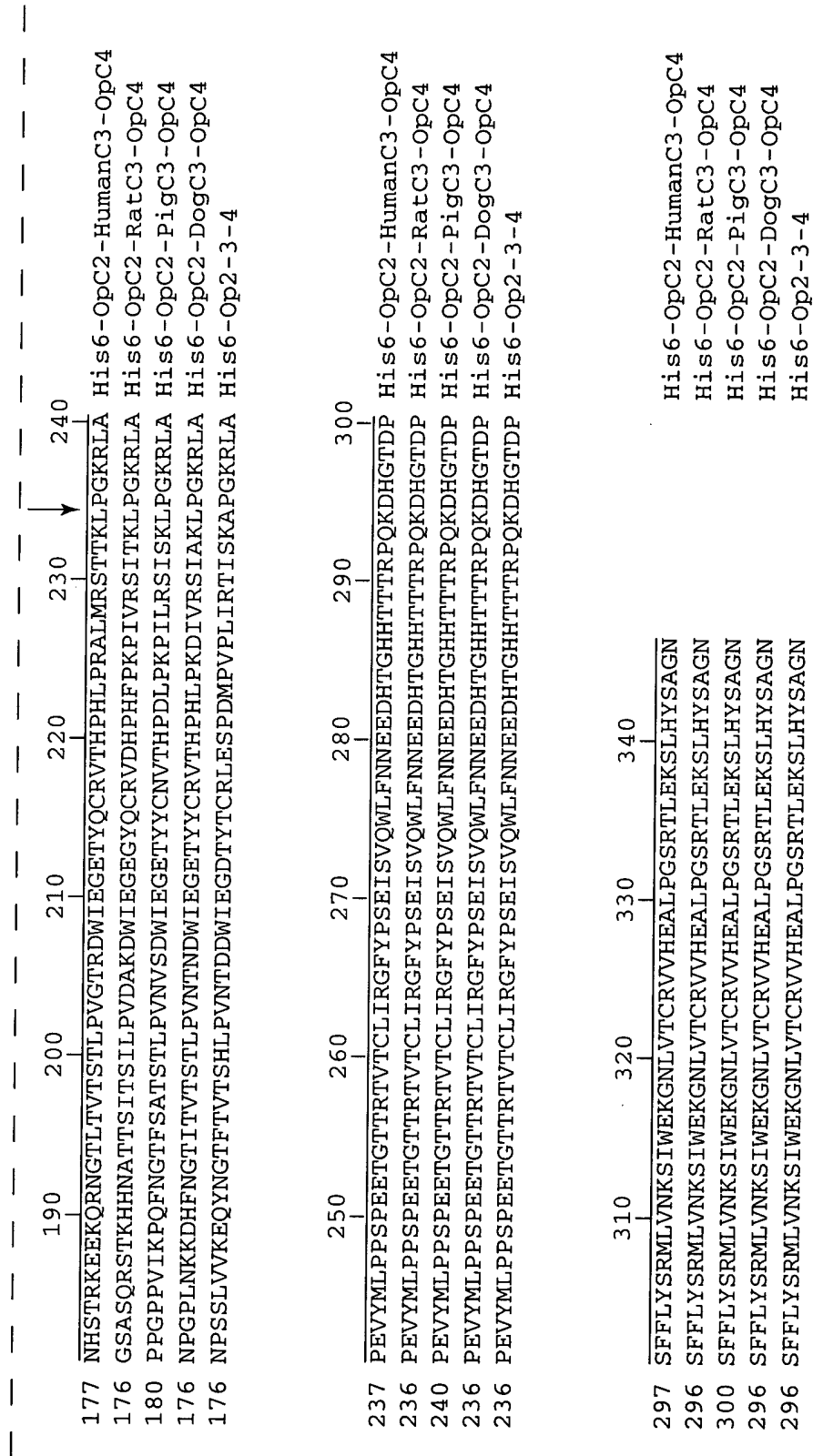
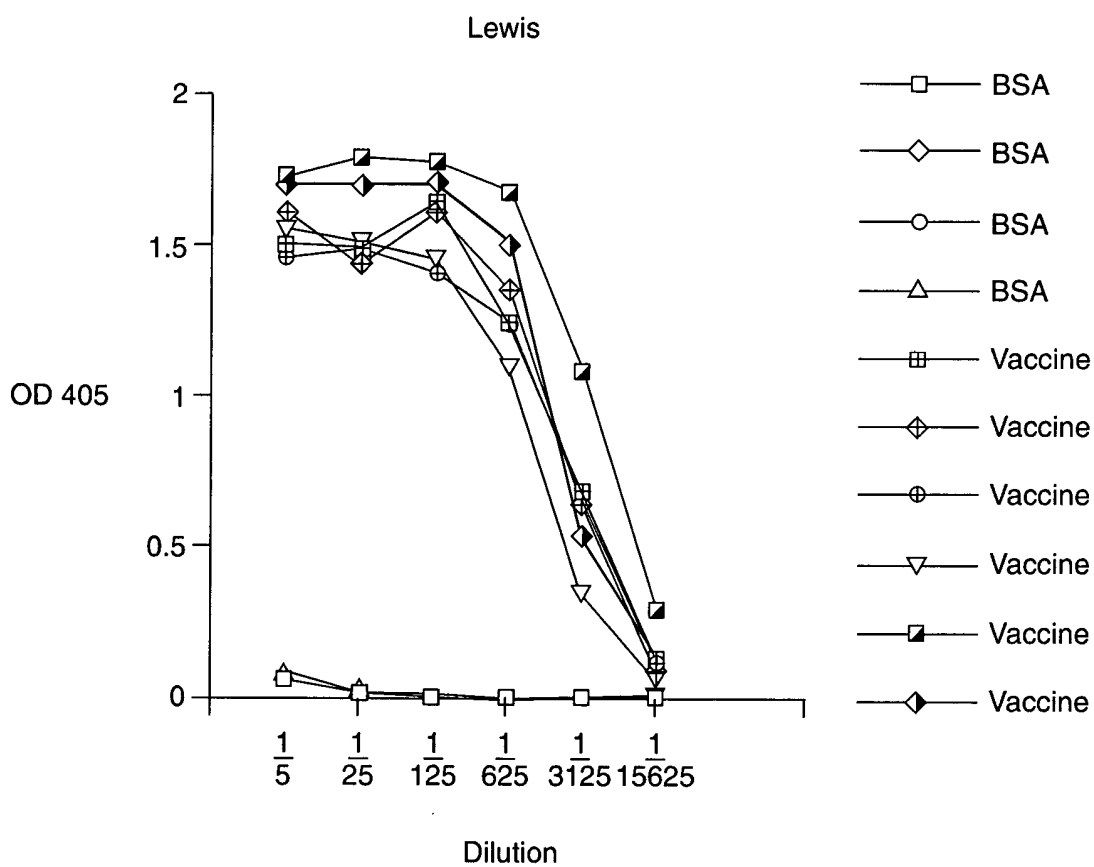
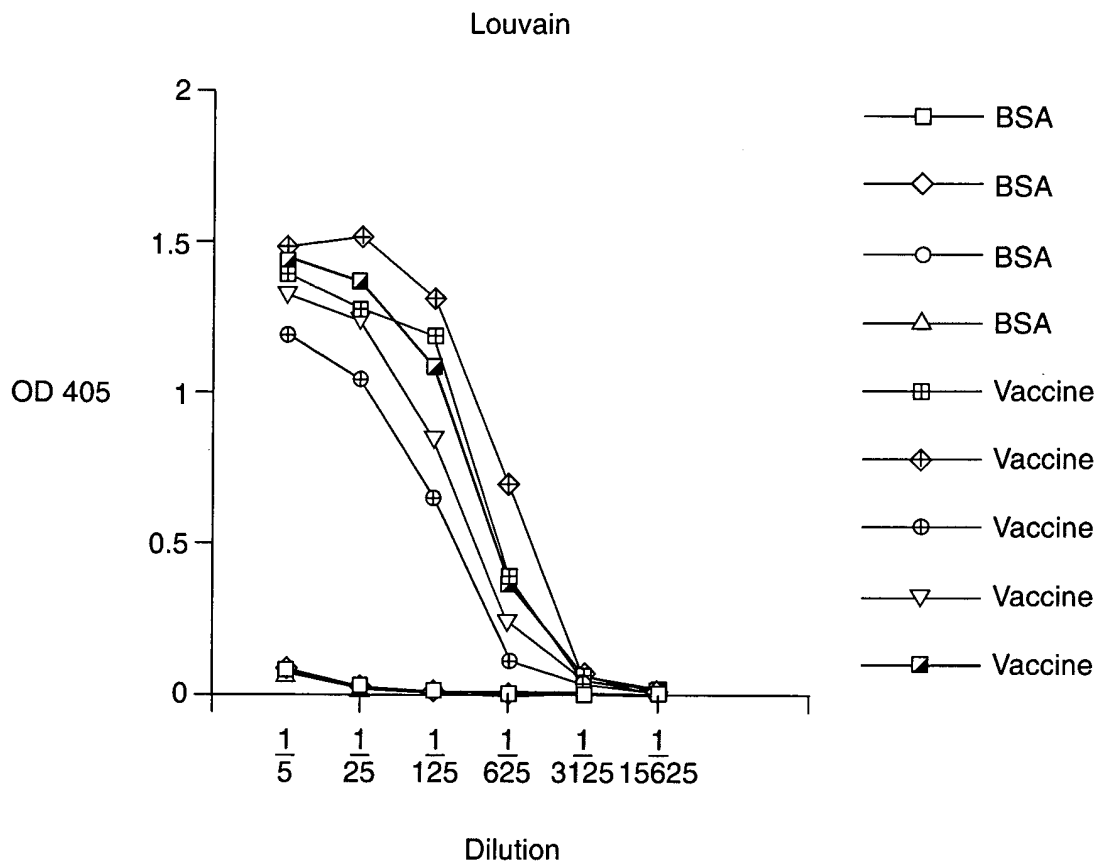


Fig. 2b2

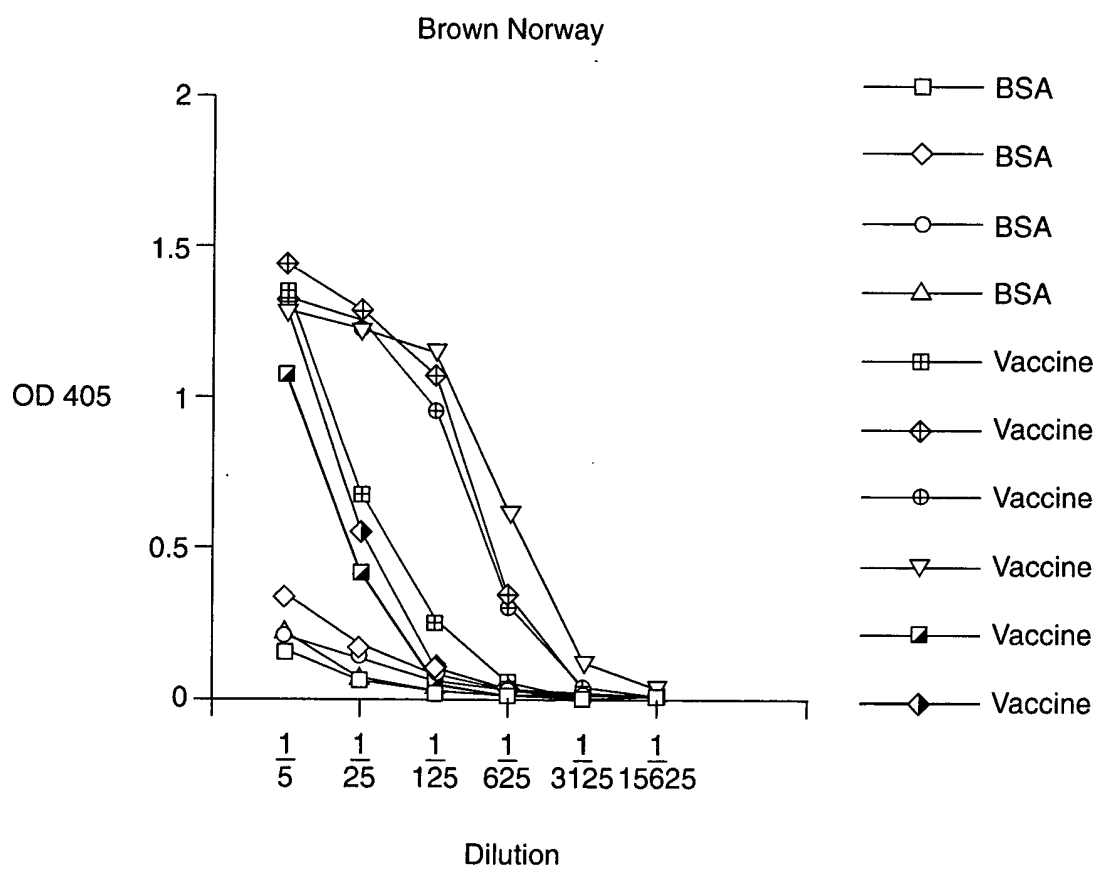


*Fig. 3a*





*Fig. 3b*



*Fig. 3c*

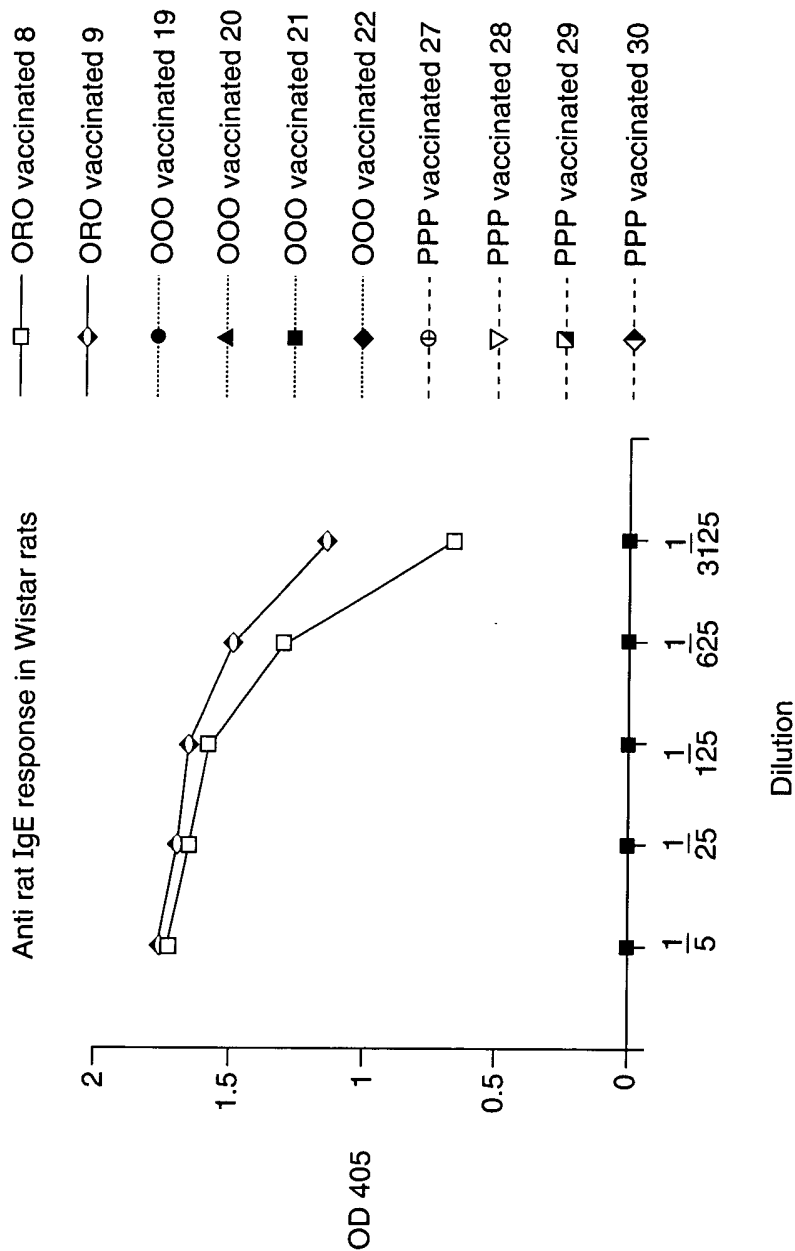


Fig. 4